



Hawaii Crop Weather

Week ending: August 19, 2018

In Cooperation with the Hawaii Department of Agriculture

Pacific Region, Hawaii · 300 Ala Moana · Honolulu, HI 96814-2512 · 1-800-804-9514 · www.nass.usda.gov/hi



Weather Review

On August 14, the U.S. Drought Monitor reported some abnormally dry conditions for the entire state. Drier-than-normal weather continued for parts of Hawaii this week, while other parts were wetter than normal. Complete information provided by the Drought Monitor can be found on their website at <http://droughtmonitor.unl.edu>. For the week ending on August 19, 2018, the state rainfall averaged 0.92 inches.

Hawaii County

The Waimea Irrigation Systems level at the Puukapu reservoir was marked at 50.00 feet (51.70 MG) as of Wednesday, August 15, 2018, unchanged from the previous Friday reading. The Puu Pulehu reservoir was marked at 18.50 feet (106.75 MG) on August 15, unchanged from the prior Friday. A mandatory ten percent conservation remained in effect.

The Honokaia Reservoir was at 8.00 feet (1.00 MG) as of Wednesday, August 15, unchanged from the previous Friday reading.

The water level at the Paauilo reservoir was marked at 0 feet (0

MG) on Wednesday, August 15, unchanged from the previous Friday reading. The Paauilo and Honokaia Reservoirs feed into the Lower Hamakua Irrigation System where no conservation measures were in effect.

Honolulu County

The Waimanalo Irrigation System water level was marked at 47.00 feet (34.61 MG) as of Wednesday, August 15, 2018, unchanged from the previous Friday reading. No conservation measures were in effect.

Maui County

The Molokai Irrigation System water level was marked at 39.25 feet on Wednesday, August 15, 2018 unchanged from the previous Friday reading. Conservation measures urged all non-homestead water users to cutback water consumption by ten percent.

The Waikamoi reservoir #1 water level was marked at 11.40 MG on Thursday, August 16, 2018, down 3.20 MG from the previous Friday reading. The Waikamoi reservoir #2 water level was marked at 10.50 MG on the same day, showed a decrease of 3.70 MG from the previous Friday reading. Each reservoir has a 15.00 MG capacity.

The Kahakapao reservoir #1 was marked at 46.50 MG on Thursday, August 16, 2018, down 0.90 MG from the previous Friday reading. The Kahakapao reservoir #2 water level was marked at 45.90 MG on the same day, down 1.10 MG from the previous Friday reading. Each reservoir has a 50.00 MG capacity.

The Piiholo reservoir was recorded at 49.60 MG on Thursday, August 16, 2018, up 1.90 MG from the previous Friday reading. This reservoir has a capacity of 50.00 MG.

Kathy King, State Statistician

Monthly Trend for Selected Stations

Comparison of 2018 cumulative monthly and annual totals with average monthly totals for selected stations. ^{1/}

| Station name | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Annual |
|-------------------------|---------|------------------|-------------------|------------------|-------------------|-------------------|------------------|------------------|------|------|------|------|------|--------------------|
| <i>Inches</i> | | | | | | | | | | | | | | |
| Island of Hawaii | | | | | | | | | | | | | | |
| 1. Kamuela | 2018 | 1.6 | 6.2 | 4.2 | 9.9 _p | 5.3 _p | 3.1 | 5.2 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 37.7 _p |
| | Average | 6.6 | 6.0 | 7.9 | 6.9 | 4.0 | 2.2 | 3.7 | 4.1 | 2.2 | 3.3 | 5.8 | 7.3 | 60.0 |
| 2. Kealahou | 2018 | 0.5 | 3.9 | 1.6 _p | 3.3 _p | 1.2 _p | 1.3 | 3.7 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 17.6 _p |
| | Average | 4.7 | 3.4 | 5.6 | 6.2 | 7.7 | 8.2 | 8.7 | 8.3 | 8.2 | 6.2 | 4.4 | 3.4 | 75.0 |
| 3. Laupahoehoe | 2018 | 12.6 | 8.6 | 8.7 | 9.6 _p | 14.5 _p | 8.5 | 8.0 | 4.8 | 0.0 | 0.0 | 0.0 | 0.0 | 75.2 _p |
| | Average | 13.5 | 13.2 | 19.5 | 18.9 | 11.7 | 6.2 | 10.0 | 12.4 | 6.9 | 9.3 | 13.6 | 14.8 | 150.0 |
| 4. Mt. View | 2018 | 19.1 | 26.3 _p | 14.5 | 22.7 _p | 15.4 _p | 11.6 | 9.6 | 11.9 | 0.0 | 0.0 | 0.0 | 0.0 | 131.2 _p |
| | Average | 14.1 | 13.6 | 19.6 | 18.0 | 13.1 | 9.4 | 12.8 | 14.6 | 10.7 | 12.1 | 15.8 | 16.2 | 170.0 |
| 5. Pahala | 2018 | 3.4 | 31.6 | 6.8 | 5.7 _p | 2.3 _p | 0.3 | 1.0 | 3.4 | 0.0 | 0.0 | 0.0 | 0.0 | 54.5 _p |
| | Average | 7.7 | 6.1 | 6.3 | 5.0 | 3.8 | 2.2 | 2.1 | 3.3 | 3.4 | 4.2 | 5.5 | 5.4 | 55.0 |
| 6. Pahoa | 2018 | 19.8 | 35.2 | 11.7 | 16.5 _p | 12.4 _p | 9.5 | 15.0 | 5.8 | 0.0 | 0.0 | 0.0 | 0.0 | 125.9 _p |
| | Average | 13.9 | 10.9 | 10.5 | 13.9 | 10.5 | 7.1 | 9.8 | 10.6 | 9.2 | 11.5 | 13.3 | 14.6 | 140.0 |
| Island of Maui | | | | | | | | | | | | | | |
| 7. Hana | 2018 | 2.8 | 14.8 | 12.9 | 10.5 _p | 6.6 _p | 1.8 | 4.9 _p | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | 57.9 _p |
| | Average | 8.5 | 5.7 | 9.1 | 7.5 | 5.9 | 4.1 | 5.9 | 5.8 | 6.1 | 7.3 | 8.0 | 6.1 | 80.0 |
| 8. Kula | 2018 | 0.7 | 18.8 | 2.3 | 9.9 _p | 1.6 _p | 0.9 | 2.2 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 37.4 _p |
| | Average | 3.5 | 3.0 | 2.5 | 1.6 | 1.1 | 0.8 | 0.8 | 0.8 | 1.1 | 1.5 | 2.3 | 3.3 | 22.3 |
| 9. Lahainaluna | 2018 | 0.0 _p | 7.3 | 0.5 | 2.7 _p | 0.2 _p | * | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 11.0 _p |
| | Average | 4.4 | 2.7 | 2.4 | 1.7 | 0.7 | 0.2 | 0.3 | 0.6 | 0.6 | 1.0 | 2.0 | 3.4 | 20.0 |
| 10. Wailuku | 2018 | 0.2 | 4.3 _p | 3.8 | 14.1 _p | 2.8 _p | 0.1 | 1.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 27.1 _p |
| | Average | 5.2 | 3.8 | 3.6 | 3.0 | 1.2 | 0.4 | 0.6 | 0.7 | 0.6 | 1.7 | 2.9 | 4.3 | 28.0 |
| Island of Oahu | | | | | | | | | | | | | | |
| 11. Kahuku | 2018 | 1.3 | 21.0 | 2.4 | 4.7 _p | 0.9 _p | 1.5 | 1.5 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 33.6 _p |
| | Average | 6.3 | 4.2 | 5.3 | 4.0 | 2.5 | 1.9 | 2.2 | 2.6 | 2.2 | 4.0 | 4.6 | 5.3 | 45.0 |
| 12. Mililani | 2018 | 1.3 | 11.9 | 4.0 | 4.0 _p | 0.9 _p | 2.1 | 1.1 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 26.7 _p |
| | Average | 6.4 | 4.9 | 4.9 | 4.0 | 2.5 | 1.7 | 2.1 | 2.4 | 1.7 | 3.7 | 4.5 | 6.2 | 45.0 |
| 13. Waianae | 2018 | 0.0 | 3.7 _p | 1.8 | 2.0 _p | 0.1 _p | * | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 7.8 _p |
| | Average | 3.8 | 2.3 | 2.5 | 1.6 | 0.7 | 0.3 | 0.3 | 0.7 | 0.7 | 1.8 | 2.0 | 3.3 | 20.0 |
| 14. Waimanalo | 2018 | 0.7 | 14.2 | 4.9 | 9.8 _p | 1.1 _p | 0.7 | 0.8 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 32.8 _p |
| | Average | 6.8 | 4.6 | 3.6 | 3.2 | 3.2 | 1.5 | 1.6 | 1.5 | 2.0 | 3.7 | 5.6 | 5.5 | 42.8 |
| Island of Kauai | | | | | | | | | | | | | | |
| 15. Moloaa Dairy | 2018 | 1.2 | 4.4 | 0.5 _p | 0.0 _p | 0.0 _p | 1.2 | 2.4 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 10.3 _p |
| | Average | 6.9 | 4.7 | 6.2 | 5.0 | 3.9 | 1.7 | 2.7 | 2.6 | 2.2 | 5.0 | 5.4 | 5.6 | 51.9 |
| 16. Hanalei | 2018 | 3.5 | 22.2 | 14.2 | 37.2 _p | 8.2 _p | 7.9 _p | 13.0 | 5.0 | 0.0 | 0.0 | 0.0 | 0.0 | 111.2 _p |
| | Average | 11.8 | 9.4 | 13.4 | 12.2 | 9.3 | 6.5 | 9.8 | 8.7 | 6.9 | 8.5 | 10.2 | 12.0 | 118.7 |
| 17. Omao | 2018 | 2.7 | 14.8 | 8.1 | 7.8 _p | 3.5 _p | 3.2 _p | 3.3 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 44.8 _p |
| | Average | 6.9 | 4.5 | 5.5 | 5.2 | 4.2 | 3.4 | 4.7 | 4.6 | 3.8 | 4.7 | 5.9 | 6.7 | 60.0 |

^{1/} Rainfall stations were selected from the National Weather Service's Hydronet system of automated rain gauges. All data has not been quality controlled to date, and therefore is not certified by the National Weather Service.

M = Missing. p = Partial or incomplete. e = Estimated. * = More than zero, but less than .05 inches of rain.

Precipitation for week ending August 19, 2018
Daily, weekly, and year-to-date precipitation totals for selected Hawaii stations.^{1/}

| Station name and identification number | 24-Hour totals at 8 a.m. | | | | | | | Weekly total | Jan. 1 to date |
|---|--------------------------|-------|------|------|------|------|------|-----------------|-------------------|
| | Mon | Tue | Wed | Thu | Fri | Sat | Sun | | |
| Island of Hawaii | <i>Inches</i> | | | | | | | | |
| 1. Kamuela (HI86) | 0.05 | 0.01 | 0.03 | 0.15 | 0.10 | 0.13 | 0.06 | 0.53 | 37.71 p |
| 2. Kealahou (HI84) | 0.00 | 0.33 | 0.31 | 0.00 | 0.00 | 0.08 | 0.00 | 0.72 | 17.63 p |
| 3. Laupahoehoe (HI80) | 0.00 | 0.02 | 0.04 | 0.25 | 0.35 | 0.00 | 0.40 | 1.06 | 75.24 p |
| 4. Mt. View (HI81) | 0.00 | 0.06 | 0.00 | 1.14 | 0.85 | 0.07 | 4.07 | 6.19 | 131.16 p |
| 5. Pahala (HI85) | 0.01 | 0.02 | 0.00 | 0.41 | 0.00 | 0.15 | 1.81 | 2.40 | 54.52 p |
| 6. Pahoa (HI83) | 0.00 | 0.00 | 0.03 | 0.36 | 0.25 | 0.02 | 0.89 | 1.55 | 125.86 p |
| Island of Maui | | | | | | | | | |
| 7. Hana (HI61) | 0.00 | 0.00 | 0.00 | 0.00 | 0.27 | 0.41 | 0.32 | 1.00 | 57.88 p |
| 8. Kula (HI65) | 0.00 | 0.00 | 0.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.10 | 37.41 p |
| 9. Lahainaluna (HI60) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 10.99 p |
| 10. Wailuku (HI66) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 27.09 p |
| Island of Oahu | | | | | | | | | |
| 11. Kahuku (HI09) | 0.00 | 0.000 | 0.00 | 0.02 | 0.00 | 0.00 | 0.08 | 0.10 | 33.59 p |
| 12. Mililani (HI14) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.56 | 0.56 | 26.73 p |
| 13. Waianae (HI17) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 7.76 p |
| 14. Waimanalo (HI13) | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.03 | 0.05 | 32.75 p |
| Island of Kauai | | | | | | | | | |
| 15. Moloaa Dairy | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.04 | 10.27 p |
| 16. Hanalei (HI45) | 0.13 | 0.00 | 0.00 | 0.02 | 0.00 | 0.04 | 0.79 | 0.98 | 111.23 p |
| 17. O'ahu (HI51) | 0.01 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.20 | 0.26 | 44.77 p |

^{1/} Rainfall stations were selected from the National Weather Service's Hydronet system of automated rain gauges. All data has not been quality controlled to date, and therefore is not certified by the National Weather Service.

M = Missing, p = Partial or incomplete, e = Estimated, * = More than zero, but less than .05 inches of rain.